
MUSCLE & NERVE

INDEX FOR VOLUME 4

ISSUES 1-6

Jan/Feb 1981-Nov/Dec 1981



A John Wiley & Sons Medical Publication

All rights reserved.
© 1981 by John Wiley & Sons, Inc.

Printed in U.S.A.

AUTHOR INDEX TO VOLUME 4

This index lists, in alphabetical order, the names of authors of all articles, abstracts, letters, editorials, and posters. Full citation is provided under the first author only, with reference made from joint authors. Abstracts, letters, editorials, and posters are distinguished from articles by the following code: A = abstract, L = letter, E = editorial, and P = poster.

A

- Albers JW, Allen AA II, Bastron JA, Daube JR: Limb myokymia, 494-504
Albers JW, Faulkner JA, Dorovini-Zis K, Must RE, Goldstein GW, Donn SM: Infantile myasthenic-like syndrome: electrophysiologic, histologic, and immunologic evaluation, 440-A
Allbrook D: Skeletal muscle regeneration, 234-245
Allen AA II, see Albers JW
Almon RR, see DuBois DC
Alvord FC, see Slimp JC
Ambinder EP, see Kornfeld P
Archer C, see Darwish H
Askanas V, see Carter LS

B

- Baert A, see Bulcke JA
Ballard FJ, see Warnes DM
Baran EM, Grover W, Brown L: Stimulus-response characteristics of spinal-evoked potentials, 443-A
Bastron JA, see Albers JW
Beck N, see Paik SW
Becker DM, see Kark RAP
Beckmann R, see Kiessling WR
Bender A, see Mittag T
Bender AN, see Kornfeld P
Bertolotto A, see Doriguzzi C
Böhlen R, see Haass A
Borg J: Properties of single motor units of the extensor digitorum brevis in elderly humans, 429-434
Bosch EP
 see Risk WS
 see Rodnitzky RL
Bourdet-Bonerandi D, see Pellissier JF
Bradley WG
 Muscle & Nerve: the first three years, 1-E
 Therapeutic trials in neuromuscular diseases, 185-E
 see Murakami T
Bradley WG, Kelemen J: A reply, 82-L
Brain MC, see Missirlis YF
Breuer A, see Hanson M

- Britt CW Jr, Schochet SS Jr: Epsilon aminocaproic acid myopathy, 256-L
Brooke MH, Griggs RC, Mendell JR, Fenichel GM, Shumate JB, Pellegrino RJ: Clinical trial in Duchenne dystrophy. I. The design of the protocol, 186-197
Brown L, see Baran EM
Brown MJ, see Parry GJ
Brownell K, see Darwish H
Brzin M, Sketelj J, Tennyson VM, Kiauta T, Budininkas-Schoenebeck M: Activity, molecular forms, and cytochemistry of cholinesterases in developing rat diaphragm, 505-513
Bucknall RC, see Garlepp MJH
Budininkas-Schoenebeck M, see Brzin M
Bulcke JA, Crolla D, Termote J-L, Baert A, Palmers Y, Van Den Bergh R: Computed tomography of muscle, 67-72
Bundey S, see Dennis NR
Burch TG, Prewitt RL, Law PK: In vivo morphometric analysis of muscle microcirculation in dystrophic mice, 420-424

C

- Campbell WW Jr, Ward LC, Swift TR: Nerve conduction velocity varies inversely with height, 520-523
Cancilla PA, see Risk WS
Cardinet GH III
 see Orvis JS
 see Pflugfelder CM
Carmichael S, see Duncan ID
Carpenter S, see Odusote K
Carter LS, Askanas V: Vital-freezing of human muscle cultures for storage and reculture, 367-369
Chang LS, see Stewart PA
Chao L-P, see Kan K-SK
Charles A, see Nudleman KL
Cho DS, see MacLean IC
Chokroverty S: Neuromuscular junctional defects in myxedema, 441-A
Clark AF, Vignos PJ Jr: The role of proteases in experimental glucocorticoid myopathy, 219-222

- Cornblath DR, see Parry GJ
Craven C, Reddy PK, Ringel SP, Rutherford RB: Effect of corticosteroids on the thymus in myasthenia gravis, 425-428
Crayton JW: Single-fiber electromyography in psychiatric patients, 250-A
Crolla A, see Bulcke JA
Cull-Candy SG, see Vincent A

D

- Daras M, Singh BM, Fass AE, Morris LJ, Spiro AJ: Acute hypokalemic, hypophosphatemic myopathy in chronic alcoholism, 258-L
Darwish H, Sarnat H, Archer C, Brownell K, Kotagal S: Congenital cervical spinal atrophy, 106-110
Dau PC
 Reply, 447-L
 Reply, 530-L
 see Miller RG
Daube JR, see Albers JW
Dawkins RL, see Garlepp MJH
DeBernardi D, see Nudleman KL
De Coster W, De Reuck J, Sieben G, Vander Eecken H: Early ultrastructural changes in aging rat gastrocnemius muscle: a stereologic study, 111-116
De Grandis D, Mezzina C, Michieli G: Stimulus intensity and site of excitation in human single motor nerve fibers, 250-A
Dengler R
 see Haass A
 see Lehmann-Horn F
Dennis NR, Bundey S: Genetic counseling in Duchenne muscular dystrophy, 81-L
De Reuck J, see De Coster W
Domingue JM, Nathan DM, Shahani BT, Young RR: Serial electrophysiologic studies in "brittle" juvenile diabetics undergoing continuous insulin infusion, 443-A
Donn SM, see Albers JW
Doriguzzi C, Bertolotto A, Ganzit GP, Mongini T, Palmucci L: Ineffectiveness

of allopurinol in Duchenne muscular dystrophy, 176-L
 Dorovini-Zisk, see Albers JW
 DuBois DC, Almon RR: A possible role for glucocorticoids in denervation atrophy, 370-373
 Dubowitz V, see Vanasse M
 Duckett S, see Said G
 Duncan ID, Griffiths IR, Carmichael S, Henderson S: Inherited canine giant axonal neuropathy, 223-227

E

Ebashi S, see Obinata T
 Ebe M, see Homma I
 Eliasson S, Florence J, Reppun T: Idiopathic inflammatory myopathy and plasmapheresis, 446-L
 Eriksson M, see Sellman M
 Evans WA, see McLeod JG

F

Fass AE, see Daras M
 Fatehi M, see Wiechers D
 Faulkner JA, see Albers JW
 Fawcett P, see Sellman M
 Fawcett PRW
 Electrophysiological findings including SFEMG in a family with mitochondrial myopathy, 251-A
 see Schofield IS
 Fenichel GM, see Brooke MH
 Fernandez HL, see Festoff BW
 Festoff BW, Fernandez HL: Plasma and red blood cell acetylcholinesterase in amyotrophic lateral sclerosis, 41-47
 Fischbeck KH, see Risk WS
 Fisher MA: F-response latency determination, 440-A
 Florence J, see Eliasson S
 Furlan A, see Hanson M

G

Ganzit GP, see Doriguzzi C
 Gardner ME, see McConnell DG
 Garlepp MJH, Kay PH, Dawkins RL, Bucknall RC, Kemp A: Cross-reactivity of anti-acetylcholine receptor autoantibodies, 282-288
 Genkins G
 see Kornfeld P
 see Mittag T
 Gilliat RW, see Stöhr M
 Golden M, see Nudleman KL
 Goldstein GW, see Albers JW
 Grellet J, see Rideau Y
 Griffiths IR, see Duncan ID
 Griggs RC
 see Brooke MH
 see Iannaccone ST
 Gross H, see Kornfeld P
 Grover W, see Baran EM

H

Haass A, see Lehmann-Horn F
 Haass A, Ricker K, Rüdel R, Lehmann-Horn F, Böhlen R, Dengler R, Mertens HG: Clinical study of paramyotonia congenita with and without myotonia in a warm environment, 388-395

Haltia M, see Kalimo H
 Hansen RJ, see Pflugfelder CM
 Hanson M, Wilbourn A, Breuer A, Lederman R, Furlan A: EMG findings in a characteristic type of brachial plexopathy seen in open heart surgery, 439-A
 Hartwig GB, see Massey EW
 Henderson S, see Duncan ID
 Henriksson J, see Salmons S
 Holliday TA, see Pflugfelder CM
 Homma I, Shiozawa R, Ishiyama Y, Ebe M: Characteristics of single-fiber potentials in response to peripheral nerve stimulation, 251-A
 Horowitz SH, see Kornfeld P
 Howard JF, see Sanders DB
 Howard JF Jr, Sanders DB: Serial single-fiber EMG studies in myasthenic patients treated with corticosteroids and plasma exchange therapy, 254-A
 Hubbell S, see Wiechers D
 Hubbell SL, see Wiechers DO
 Hyninen P, see Schiller HH

I

Iannaccone ST, Griggs RC: Animal model for EACA-induced myopathy, 176-L
 Iqbal SN, Joynt RL: Carpal tunnel syndrome in hemiplegic patients, 443-A
 Ishiyama Y, see Homma I
 Ismail HM, Ranatunga KW: Isometric contractions of normal and spastic human skeletal muscle, 214-218
 Isaacs H, see Joffe M

J

Jabre JF: Surface recording of the H-reflex of the flexor carpi radialis, 435-438
 Jabre J, Ståhlberg E: H-reflexes and F-responses in the flexor carpi radialis: a surface and single-fiber EMG evaluation, 249-A
 Janko M
 see Trontelj JV
 see Vodusek DB
 Jankowski LW, see Rideau Y
 Jasmin G, see Tautou C
 Joffe M, Savage N, Isaacs H: Biochemical functioning of mitochondria in normal and denervated mammalian skeletal muscle, 514-519
 Joynt RL, see Iqbal SN

K

Kagan LJ: A reply, 257-L
 Kalimo H, Mäki J, Paetau A, Haltia M: Microanalysis of perineural calcification in diabetic neuropathy, 228-233
 Kan K-SK, Chao L-P: Localization of choline acetyltransferase at neuromuscular junctions, 91-93
 Kaplan JG, Shahani BT, Young RR: Electrophysiological studies in diabetic neuropathy, 443-A
 Kar NC, Pearson CM: Adenylosuccinase in human muscular dystrophy, 174-175

Kark RAP, Becker DM: Multiple genotypes, multiple phenotypes, and partial defects, 31-40

Karoutas G, see Milonas I
 Karpati G, see Odusote K
 Kay PH, see Garlepp MJH
 Kelemen J, see Bradley WG
 Kemp A, see Garlepp MJH
 Kennard C, Swash M: Epsilon aminocaproic acid myopathy—a reply, 256-L
 Kiauta T, see Brzin M
 Kiessling WR, Beckmann R: Duchenne muscular dystrophy: does serum myoglobin correlate with serum creatine kinase, 257-L
 Kilgore K, see Miller RG
 Kimura J, see Risk WS
 Kohama K, see Obinata T
 Konishi T, Nishitani H, Matsubara F, Ohta M: Jitter phenomenon and anti-acetylcholine receptor antibody in myasthenia gravis, 253-A
 Kornfeld P, see Mittag T
 Kornfeld P, Nall J, Smith H, Mittag TW, Bender AN, Ambinder EP, Horowitz SH, Papatestas AE, Gross H, Genkins G: Acetylcholine receptor antibodies in myasthenia gravis, 413-419
 Kotagal S, see Darwish H
 Kraft GH, see Slimp JC
 Krause K-H, see Schmitt HP

L

Law PK, see Burch TG
 Layzer RB, see Risk WS
 Lederman R, see Hanson M
 Lehmann-Horn F, see Haass A
 Lehmann-Horn F, Rüdel R, Dengler R, Lorković H, Haass A, Ricker K: Membrane defects in paramyotonia congenita with and without myotonia in a warm environment, 396-406
 Lorković H, see Lehmann-Horn F
 Lutz H, see Pflugfelder CM

M

Mabry ME, Roses AD: Increased [³²P] phosphorylation of tryptic peptides of erythrocyte spectrin in Duchenne muscular dystrophy, 489-493
 Maccabee PJ, Pinkhasov EI, Tsairis P: Effect of different frequency filters on short latency somatosensory-evoked potentials, 442-A
 MacLean IC, Cho DS: Carpal tunnel syndrome: a comparison of distal sensory latencies of median and radial nerves, 444-A
 Mäki J, see Kalimo H
 Mann DMA, see Murakami T
 Marcus DJ, Swift TR, McDonald TF: Acute effects of phenytoin on peripheral nerve function in the rat, 48-50
 Maruyama K, see Obinata T
 Massa T, see Mittag T
 Massey EW: Gonyalgia paresthetica, 80-L
 Massey EW, Trofatter LP, Hartwig GB: "Hunkering" and peroneal palsy, 445-L
 Mastaglia FL, see Murakami T

Matsubara F, see Konishi T
 McConnell DG, see Young RB
 McConnell DG, Gardner ME, Tuomari AV, Young RB, Suelter CH: Normal and dystrophic embryonic chicken pectoralis muscle cultures: III. Viral infection of normal cell cultures, 131-136
 McConnell DG, Young RB, Suelter CH: Normal and dystrophic embryonic chicken pectoralis muscle cultures: II. Ultrastructural comparison, 125-130
 McDonald TF, see Marcus DJ
 McGuire JL, see Morgan GJ
 McLeod JG, see Pollard JD
 McLeod JG, Evans WA: Peripheral neuropathy in spinocerebellar degenerations, 51-61
 Mendell JR, see Brooke MH
 Mertens HG, see Haass A
 Mezzina C, see De Grandis D
 Micheli G, see De Grandis D
 Miller RG, Kilgore K, Milner-Brown HS: A pathophysiological basis for neurogenic and myogenic weakness, 442-A
 Miller RG, Milner-Brown HS, Dau PC: Antibody-negative acquired myasthenia gravis: successful therapy with plasma exchange, 255-L
 Milner-Brown HS, see Miller RG
 Milonas I, Karoutas G: Single-fiber EMG in patients with myasthenia gravis—findings before and after the administration of Tensilon and Diazepam, 254-A
 Missirlis YF, Vanderwel M, Brain MC: Membrane elasticity of erythrocytes from normal and dystrophic mice, 141-148
 Mittag T, Maasa T, Kornfeld P, Papastastas A, Bender A, Genkins G: Multiple forms of anti-acetylcholine receptor antibody in myasthenia gravis, 16-25
 Mittag TW, see Kornfeld P
 Molenaar PC, see Vincent A
 Mongini T, see Doriguzzi C
 Monier-Faugere MC, see Pellissier JF
 Morgan GJ, McGuire JL, Ochoa J: Penicillamine-induced myositis in rheumatoid arthritis, 137-140
 Morris LJ, see Daras M
 Morrissy RT, see Sarnat HB
 Murakami T, Mastaglia FL, Mann DMA, Bradley WG: Abnormal RNA metabolism in spinal motor neurons in the wobbler mouse, 407-412
 Must RE, see Albers JW

N

Nall J, see Kornfeld P
 Nathan DM, see Domingue JM
 Newson-Davis J, see Vincent A
 Nishitani H, see Konishi T
 Nonaka I, see Takagi A
 Nonaka I, Takagi A, Sugita H: The significance of type 2C muscle fibers in Duchenne muscular dystrophy, 326-333
 Nudleman KL, Golden M, Weller S, DeBernardi D, Charles A: Evaluation of nerve conduction velocities in insulin-dependent diabetic patients after

short-term glucose-controlled insulin infusion, 441-A

O

Obinata T, Maruyama K, Sugita H, Kohama K, Ebashi S: Dynamic aspects of structural proteins in vertebrate skeletal muscle, 456-488
 Obituary—Carl M. Pearson, MD, 1919-1981, 452
 Obituary—Morton K. Rubinstein, MD, May/June
 Ochoa J, see Morgan GJ
 Odusote K, Karpati G, Carpenter S: An experimental morphometric study of neutral lipid accumulation in skeletal muscles, 3-9
 Ohta M, see Konishi T
 Ontell M: Muscle fiber necrosis in murine dystrophy, 204-213
 Orvis JS, Cardinet GH III: Canine muscle fiber types and susceptibility of masticatory muscles to myositis, 354-359

P

Paetau A, see Kalimo H
 Paik SW, Beck N: Effect of dietary phosphorus (Pi) deprivation on nerve conduction velocity (NCV) in rat tails, 442-A
 Palmers Y, see Bulcke JA
 Palmucci L, see Doriguzzi C
 Panayiotopoulos CP: F-chronodispersion in control subjects and patients with neuropathy, 249-A
 Papastastas A, see Mittag T
 Papastastas AE, see Kornfeld P
 Parry GJ, Cornblath DR, Brown MJ: Transient conduction block in acute peripheral nerve ischemia, 441-A
 Pearson CM, see Kar NC
 Pellegrino RJ, see Brooke MH
 Pellissier JF, Van Hoof F, Bourdet-Bonerandi D, Monier-Faugere MC, Toga M: Morphological and biochemical changes in muscle and peripheral nerve in Fabry's disease, 381-387
 Percy ME, see Stewart PA
 Percy ME, Thompson MW: Creatine kinase—"no phospho-, please!", 271-E
 Pflugfelder CM, Cardinet GH III, Lutz H, Holliday TA, Hansen RJ: Acquired canine myasthenia gravis: immunocytochemical localization of immune complexes at neuromuscular junctions, 289-295
 Phillips TA, see Young RB
 Pinkhasov EI, see Maccabee PJ
 Polak RL, see Vincent A
 Pollard JD, McLeod JG: Fresh and predegenerate nerve allografts and isografts in trembler mice, 274-281
 Potts FA, Shahani BT, Young RR: Electrophysiological studies in transverse myelopathy, 439-A
 Prewitt RL, see Burch TG

R

Ranatunga KW, see Ismail HM
 Reddy PK, see Craven C

Reppun T, see Eliasson S
 Ricker K
 see Haass A
 see Lehmann-Horn F
 Rideau Y, Jankowski LW, Grellet J: Respiratory function in the muscular dystrophies, 155-164
 Ringel SP, see Craven C
 Risk WS, Bosch EP, Kimura J, Cancilla PA, Fischbeck KH, Layzer RB: Chronic tetanus: clinical report and histochemistry of muscle, 363-366
 Rodnitzky RL, Bosch EP: Plasmapheresis as a guide for azathioprine therapy in prednisone-resistant myasthenia gravis, 529-L
 Roses AD, see Mabry ME
 Rüdel R
 see Haass A
 see Lehmann-Horn F
 Rutherford RB, see Craven C

S

Sahgal V, see Segura RP
 Said G, Duckett S: Tellurium-induced myelinopathy in adult rats, 319-325
 Salmons S, Henriksson J: The adaptive response of skeletal muscle to increased use, 94-105
 Sanders DB, see Howard JF Jr
 Sanders DB, Howard JF: Single-fiber EMG in the diagnosis of myasthenia gravis, 253-A
 Sarnat H, see Darwish H
 Sarnat HB, Morrissy RT: Idiopathic torticollis: sternocleidomastoid myopathy and accessory neuropathy, 374-380
 Savage N, see Joffe M
 Schiller HH, Stålberg E, Hynninen P: Range of conduction velocities determined with F-waves, an SFEMG study, 249-A
 Schmitt HP, Krause K-H: An autopsy study of a familial oculopharyngeal muscular dystrophy (OPMD) with distal spread and neurogenic involvement, 296-305
 Schochet SS Jr, see Britt CW Jr
 Schofield IS, Fawcett PRW: A microprocessor-based system for the analysis of the single-fiber electromyogram, 251-A
 Segura RP, Sahgal V: Hemiplegic atrophy: electrophysiological and morphological studies, 246-248
 Sellman M, Fawcett P, Stålberg E, Eriksson M: Macroelectromyography after limb immobilization, 440-A
 Shahani BT
 see Domingue JM
 see Kaplan JG
 see Potts FA
 Shahani BT, Young RR: Bradykinesia in Parkinson's disease, 440-A
 Shapira Y, see Yarom R
 Shiozawa R, see Homma I
 Shoji S: Anaerobic glycolytic capacity of external anal sphincter and extraocular muscles of rabbits, 82-L
 Shumate JB, see Brooke MH
 Sieben G, see De Coster W

Singh BM, see Daras M
 Sketelj J, see Brzin M
 Slimp JC, Kraft GH, Alvord FC: Visual, auditory and somatosensory-evoked potentials in the experimental model of multiple sclerosis, 439-A
 Smith H, see Kornfeld P
 Solymoss BC, see Tautu C
 Spiro AJ, see Daras M
 Stålberg E
 Effect of cholinesterase inhibitors, 254-A
 Electrophysiological aspects of the motor unit, 252-A
 see Jabre J
 see Schiller HH
 see Sellman M
 see Trontelj JV
 Stewart PA, Percy ME, Chang LS, Thompson MW: Creatine kinase isozyme transition in chicks with hereditary muscular dystrophy, 165-173
 Stöhr M, Gilliatt RW, Willison RG: Supernormal excitability of human sensory fibers after ischemia, 73-75
 Suelter CH
 see McConnell DG
 see Young RB
 Sugita H
 see Nonaka I
 see Obinata T
 Swash M, see Kennard C
 Swift TR
 Disorders of neuromuscular transmission other than myasthenia gravis, 334-353
 see Campbell WW Jr
 see Marcus DJ

T

Tabary C, see Tabary J-C
 Tabary J-C, Tardieu C, Tardieu G, Tabary C: Experimental rapid sarco-

mere loss with concomitant hypoextensibility, 198-203
 Takagi A, see Nonaka I
 Takagi A, Nonaka I: Duchenne muscular dystrophy: unusual activation of single fibers in vitro, 10-15
 Tardieu C, see Tabary J-C
 Tardieu G, see Tabary J-C
 Tautu C, Jasmin G, Solymoss BC: Growth of neonatal hamster skeletal muscle in culture, 149-154
 Tennyson VM, see Brzin M
 Termote J-L, see Bulcke JA
 Thompson MW
 see Percy ME
 see Stewart PA
 Toga M, see Pellissier JF
 Tomas FM, see Warnes DM
 Tomé FMS: Pitfalls in the electron microscopic examination of skeletal muscle, 76-79-P
 Trautmann A, see Vincent A
 Trofater LP, see Massey EW
 Trontelj JV, Stålberg E: Abnormal discharges in nerve-muscle disorders, 253-A
 Trontelj JV, Stålberg E, Janko M: Electrical stimulation in denervated muscle fibers, 250-A
 Tsairis P, see Maccabee PJ
 Tuomari AV, see McConnell DG

V

Vanasse M, Dubowitz V: Dominantly inherited peroneal muscular atrophy (hereditary motor and sensory neuropathy type 1) in infancy and childhood, 26-30
 Van Den Bergh R, see Bulcke JA
 Vander Eecken H, see De Coster W
 Vanderwel M, see Missirlis YF
 Van Hoof F, see Pellissier JF
 Vignos PJ Jr, see Clark AF

Vincent A, Cull-Candy SG, Newson-Davis J, Trautmann A, Molenaar PC, Polak RL: Congenital myasthenia: end-plate acetylcholine receptors and electrophysiology in five cases, 306-318
 Vodušek DB, Janko M: SFEMG in striated sphincter muscles, 252-A

W

Ward LC, see Campbell WW Jr
 Warnes DM, Tomas FM, Ballard FJ: Increased rates of myofibrillar protein breakdown in muscle-wasting diseases, 62-66
 Weller S, see Nudleman KL
 Wiechers D, Fatehi M: Single-fiber electromyography jittermeter from an inexpensive home computer, 442-A
 Wiechers D, Hubbell S: Single-fiber EMG in poliomyelitis, 252-A
 Wiechers DO, Hubbell SL: Late changes in the motor unit after acute poliomyelitis, 524-528
 Wilbourn A, see Hanson M
 Willison RG, see Stöhr M

Y

Yarom R, Shapira Y: Concentric laminated bodies, 259-L
 Young RB, see McConnell DG
 Young RB, McConnell DG, Suelter CH, Phillips TA: Normal and dystrophic embryonic chicken pectoralis muscle cultures: I. Cell differentiation, protein synthesis, and enzyme levels, 117-124
 Young RR
 see Domingue JM
 see Kaplan JG
 see Potts FA
 see Shahani BT

SUBJECT INDEX TO VOLUME 4

This index gives the first author (in parentheses) and first page of the article, abstract, letter, poster, or editorial in which the indexed subject occurs. The reader is referred to the author index for the full title and coauthors, where appropriate, of the piece. Abstracts, letters, posters, and editorials are distinguished from articles by the following code: A = abstract, L = letter, P = poster, E = editorial.

A

- Acetylcholine receptor
 - congenital myasthenia gravis (Vincent) 306
- Acetylcholine receptor antibody
 - in canine myasthenia gravis (Pflugfelder) 289
 - heterogeneity in myasthenia gravis (Garlepp) 282
 - multiple forms in myasthenia gravis (Mittag) 16
 - in myasthenia gravis (Kornfeld) 413
 - myasthenia gravis and plasmapheresis (Dau) 530-L; (Rodnitzky) 529-L
- Acetylcholinesterase
 - in ALS (Festoff) 41
 - diaphragm of developing rat (Brzin) 505
 - red blood cells (Festoff) 41
- Actin
 - muscle (Obinata) 456
- Adenylosuccinase
 - in muscular dystrophy (Kar) 174
- Allopurinol
 - ineffectiveness in Duchenne muscular dystrophy (Doriguzzi) 176-L
- Amyotrophic lateral sclerosis
 - acetylcholinesterase (Festoff) 41
 - post-polio myelitis syndrome (Wiechers) 524
 - red blood cells (Festoff) 41
 - therapeutic trials (Bradley) 185-E
- Anterior horn cell
 - RNA metabolism in the wobbler mouse (Murakami) 407

B

- Book reviews
 - Biochemical and Pharmacological Roles of Adenosylmethionine and the Central Nervous System* (Zappia, Usdin, and Salvatore) 264
 - British Medical Bulletin, The Muscular Dystrophies* (Walton and Mastaglia) 449

- Children and Exercise IX, International Series on Sport Sciences, Volume 10* (Berg and Eriksson) 360
- Collagenase in Normal and Pathological Connective Tissues* (Woolley and Evanston) 360
- Complex Carbohydrates of Nervous Tissue* (Margolis and Margolis) 85
- The Facial Nerve* (Diamond and Frew) 86
- The Floppy Infant, 2nd Edition* (Dubowitz) 448
- Folic Acid in Neurology, Psychiatry, and Internal Medicine* (Botez and Reynolds) 88
- GABA-Biochemistry and CNS Functions, Advances in Experimental Medicine and Biology, Volume 123* (Mandel and DeFeudis) 181
- Handbook of Clinical Neurology, Diseases of the Muscle, Part 1* (Vinken and Bruyn) 361
- Human Red Cell Metabolism* (Grimes) 265
- Integrative Functions of the Autonomic Nervous System* (Brooks, Koizumi, and Sato) 450
- Introduction to Biological Membranes* (Jain and Wagner) 265
- Membrane Structure and Function, Volume One* (Bittar) 179
- Membrane Structure and Function, Volume 3* (Bittar) 264
- The Milwaukee Brace, Second Edition* (Blount and Moe) 263
- Muscular Dystrophy Research: Advances and New Trends* (Angelini, Danieli, and Fontanari) 450
- Myotonic Dystrophy—Major Problems in Neurology Series Vol. 9* (Harper) 87
- Neck and Arm Pain, Edition 2* (Cailliet) 449
- Nerve and Muscle Excitation, Second Edition* (Junge) 533
- Nerve Repair and Regeneration. Its Clinical and Experimental Basis* (Jewett and McCarroll) 531
- Neurochemistry and Clinical Neurology, Progress in Clinical and Biological Re-*

- search, Volume 39* (Battistin, Hashim, and Lajtha) 263
- Neuromotor Examination of the Limbs, A Photographic Atlas* (Smorto and Basmajian) 451
- Neurophysiology* (Newman) 532
- Outlines of Muscular Dystrophy* (Rideau) 87
- Practical Electromyography* (Johnson) 267
- Progress in Brain Research, Volume 51, Development and Chemical Specificity of Neurons* (Cuenod, Kreutzberg, and Bloom) 180
- Protein Degradation in Health and Disease* (Ciba Foundation Symposium) 532
- Progress in Neurological Research* (Behan and Rose) 88
- Research Methods in Neurochemistry, Volume 4* (Marks and Rodnight) 261
- Sensory Functions of the Skin of Humans* (Kenshalo) 86
- Smooth Muscle, British Medical Bulletin, Vol. 35, No. 3* (Bulbring and Bolton) 85
- Spinocerebellar Degenerations* (Sobue) 531
- Structure and Function of Gangliosides, Advances in Experimental Medicine and Biology, Volume 125* (Svennerhold, Mandel, and Dreyfus) 448
- Therapeutic Exercise, Student Edition* (Basmajian) 266
- Therapeutics in Neurology* (Calne) 266
- Three Dimensional Reconstruction in Biology* (Gaunt and Gaunt) 266
- Transmembrane Signaling, Progress in Clinical and Biological Research, Volume 31* (Bitensky, Collier, Steiner, and Fox) 263
- Ultrastructural Pathology* (Johannessen) 264

C

- Carpal tunnel syndrome
 - comparison of ulnar and median latency (MacLean) 444-A
 - in hemiplegia (Iqbal) 443-A

Central core disease
myofibrillar protein breakdown
(Warnes) 62

Choline acetyltransferase
immunohistochemical localization
(Kan) 91

neuromuscular junction (Kan) 91

Computed tomography
muscular dystrophy (Bulcke) 67

Connectin
muscle (Obinata) 456

Corticosteroids
effect on thymus in myasthenia gravis
(Craven) 425

C-protein
muscle (Obinata) 456

Creatine kinase
isozyme transition in chickens with
muscular dystrophy (Stewart) 165
in muscular dystrophy (Kagen) 257-L;
(Kiessling) 257-L
terminology (Percy) 271-E

Creatine kinase levels
in Duchenne muscular dystrophy
(Bradley) 82-L; (Dennis) 81-L

D

Desmin
muscle (Obinata) 456

E

Electromyography
brachial plexopathy in open-heart
surgery (Hanson) 439-A
in denervated muscle (Trontelj) 250-A
of extensor digitorum brevis in elderly
humans (Borg) 429

F-chronodispersion (Panayiotopoulos)
249-A

F-responses in flexor carpi radialis
(Jabre) 249-A

H-reflexes in flexor carpi radialis
(Jabre) 249-A

macro EMG in limb immobilization
(Sellman) 440-A

myokymia (Albers) 494

paramyotonia congenita (Haass) 388

Parkinson's disease (Shahani) 440-A

Electromyography—single fiber (Jabre)
249-A; (Schiller) 249-A
abnormal discharges in nerve-muscle
disorders (Trontelj) 253-A
analysis by microprocessor (Schofield)
251-A
diagnosis of myasthenia gravis (San-
ders) 253-A
effects of cholinesterase inhibitors
(Stålberg) 254-A
electrophysiological aspects of the
motor unit (Stålberg) 252-A
electrophysiological findings in a family
with mitochondrial myopathy (Faw-
cett) 251-A
intensity and excitation (De Grandis)
250-A
jitter analysis (Wiechers) 442-A
jitter and anti-acetylcholine receptor
antibody in myasthenia gravis
(Konishi) 253-A
myasthenia gravis with treatment
(Milonas) 254-A
poliomyelitis (Wiechers) 252-A

potential in response to peripheral
nerve stimulation (Homma) 251-A
psychiatric patients (Crayton) 250-A
serial studies in myasthenic patients
with treatment (Howard) 254-A
striated sphincter muscles (Vodušek)
252-A

Electrophysiological studies
in transverse myelopathy (Potts) 439-A

Encephalomyelitis—experimental aller-
gic evoked potentials (Slimp) 439-A

Enzymes
multiple isozymes and partial defects in
disease (Kark) 31

Enzyme terminology
creatine kinase (Percy) 271-E

Epsilon amino-caproic acid
myopathy (Britt) 256-L; (Iannaccone)
176-L; (Kennard) 256-L

Evoked potentials
in experimental allergic encephalo-
myelitis (Slimp) 439-A
in multiple sclerosis (Slimp) 439-A

F

Fabry's disease
muscle ultrastructure (Pellissier)
381
nerve ultrastructure (Pellissier) 381

Facioscapulohumeral dystrophy
myofibrillar protein degradation
breakdown (Warnes) 62

Facioscapulohumeral muscular dystrophy
respiratory function (Rideau) 155

F-protein
muscle (Obinata) 456

G

Genetic counseling
in Duchenne muscular dystrophy
(Bradley) 82-L; (Dennis) 81-L

Gonyalgia paresthetica
postoperative (Massey) 80-L

H

Hemiplegic atrophy
electrophysiological and morphological
studies (Segura) 246

I

Idiopathic torticollis
sternocleidomastoid muscle (Sarnat)
374

I-protein
muscle (Obinata) 456

L

Lipid
neutral accumulation in skeletal muscle
(Odusote) 3

Limb girdle dystrophy
myofibrillar protein breakdown
(Warnes) 62
respiratory function (Rideau) 155

M

Membrane—sarcolemma
in paramyotonia congenita (Lehmann-
Horn) 396

3-Methylhistidine
in neuromuscular disease (Warnes) 62

Motor neuron disease
congenital spinal cord lesion (Darwish)
106
RNA metabolism in the wobbler mouse
(Murakami) 407

Motor units

axonal conduction velocity (Borg) 429
extensor digitorum brevis in elderly
humans (Borg) 429
poliomyelitis (Wiechers) 524
voluntary discharge properties (Borg)
429

M-protein

muscle (Obinata) 456

Multiple sclerosis

evoked potentials (Slimp) 439-A

Muscle

acidic protease (Obinata) 456
adaptive response during prolonged
periods of increased use (Salmons) 94
alkaline protease (Obinata) 456
anaerobic glycogenolytic capacity
(Shoji) 82-L
computed tomography (Bulcke) 67
congenital cervical spinal atrophy
(Darwish) 106
corticosteroid receptors in denervation
(DuBois) 370
electron microscopic artifacts (Tomé)
76-P
in Fabry's disease (Pellissier) 381
hypocalcemia in chronic alcoholism
(Daras) 258-L
hypokalemia in chronic alcoholism
(Daras) 258-L
hypophosphatemia in chronic al-
coholism (Daras) 258-L
idiopathic torticollis (Sarnat) 374
mitochondrial function in denervated
muscle (Joffe) 514
myofibrillar protein degradation
(Warnes) 62
myoglobinuria in chronic alcoholism
(Daras) 258-L
myogenesis and regeneration
(Allbrook) 234
neutral lipid accumulation (Odusote) 3
neutral protease (Obinata) 456
regeneration (Allbrook) 234
sarcomere loss with continual stimula-
tion (Tabary) 198
satellite cells (Allbrook) 234
skeletal, lipid stores (Odusote) 3
stimulation effect on sarcomere
number (Tabary) 198
structural proteins (Obinata) 456
tissue culture in neonatal hamster
(Tautu) 149
tissue culture vital-freezing (Carter) 367
viral infection in tissue cultures
(McConnell) 131

Muscle—acetylcholinesterase
in developing rat diaphragm (Brzin)
505

Muscle—aging
ultrastructural changes (De Coster) 111

Muscle atrophy
hemiplegic (Segura) 246

Muscle denervation
in hemiplegia (Segura) 246

- mitochondrial function (Joffe) 514
 role of corticosteroids (DuBois) 370
- Muscle fiber
 intermediate type in Duchenne muscular dystrophy (Takagi) 10
 necrosis in murine muscular dystrophy (Ontell) 204
 single fiber activation in Duchenne muscular dystrophy (Takagi) 10
- Muscle histochemistry
 in canine masticatory muscles (Orvis) 354
 chronic tetanus (Risk) 363
 type 2C fibers in Duchenne muscular dystrophy (Nonaka) 326
- Muscle—myokymia
 electromyography (Albers) 494
- Muscle pathology
 concentric laminated bodies (Yarom) 259-L
 regeneration (Allbrook) 234
- Muscle physiology
 hemiparesis and isometric contraction (Ismail) 214
 isometric contractions (Ismail) 214
- Muscle—stereology
 in aging rats (De Coster) 111
- Muscle—ultrastructure
 in aging rats (De Coster) 111
- Muscle weakness
 in denervation and myopathy (Miller) 442-A
- Muscular dystrophy
 adenylosuccinase (Kar) 174
 computed tomography (Bulcke) 67
 creatine kinase (Kagen) 257-L; (Kiessling) 257-L
 membrane protein phosphorylation (Mabry) 489
 myoglobin in serum (Kagen) 257-L; (Kiessling) 257-L
 oculopharyngeal (Schmitt) 296
 respiratory function (Rideau) 155
 therapeutic trials (Bradley) 185-E; (Brooke) 186
- Muscular dystrophy—Becker
 myofibrillar protein breakdown (Warnes) 62
 respiratory function (Rideau) 155
- Muscular dystrophy—chicken
 creatine kinase isozyme (Stewart) 165
 protein synthesis *in vitro* (Young) 117
 tissue culture (Young) 117
 ultrastructure of tissue culture (McConnell) 125
- Muscular dystrophy—Duchenne
 carrier detection by serum myoglobin (Kagen) 257-L; (Kiessling) 257-L
 computed tomography (Bulcke) 67
 creatine kinase (Bradley) 82-L; (Dennis) 81-L
 genetic counseling (Bradley) 82-L; (Dennis) 81-L
 myofibrillar protein breakdown (Warnes) 62
 myoglobinemia (Kagen) 257-L; (Kiessling) 257-L
 phosphorylation of tryptic peptides of erythrocyte spectrin (Mabry) 489
 respiratory function (Rideau) 155
 single fiber activation (Takagi) 10
- therapeutic trials (Bradley) 185-E; (Brooke) 186
 treatment with ineffective allopurinol (Doriguzzi) 176-L
 type 2C muscle fibers (Nonaka) 326
 X-chromosome (Bradley) 82-L
- Muscular dystrophy—mouse
 red blood cell membrane elasticity (Mirsirlis) 141
- Muscular dystrophy—murine
 microcirculation (Burch) 420
 muscle fiber necrosis (Ontell) 204
 red blood cell membrane elasticity (Mirsirlis) 141
- Myasthenia gravis
 acetylcholine receptor antibody (Kornfeld) 413
 acetylcholine receptor antibody heterogeneity (Garlepp) 282
 AChR (Mittag) 16
 AChR negative myasthenia gravis and plasmapheresis (Miller) 255-L
 canine (Pflugfelder) 289
 effect of corticosteroids on the thymus (Craven) 425
 effects of cholinesterase inhibitors (Stålberg) 254-A
 immunocytochemical localization of immune complexes in canine myasthenia gravis (Pflugfelder) 289
 jitter and anti-acetylcholine receptor antibody (Konishi) 253-A
 myofibrillar protein breakdown (Warnes) 62
 plasmapheresis and azathioprine therapy (Dau) 530-L; (Rodnitzky) 529-L
 plasmapheresis in AChR negative myasthenia gravis (Miller) 255-L
 serial single fiber EMG studies during treatment (Howard) 254-A
 single fiber electromyography (Sanders) 253-A
 single fiber EMG with treatment (Milonas) 254-A
- Myasthenia gravis—congenital
 acetylcholine receptor (Vincent) 306
- Myoglobinemia
 in muscular dystrophy (Kagen) 257-L; (Kiessling) 257-L
- Myokymia
 electromyography (Albers) 494
- Myopathy
 acid maltase deficiency (Kark) 31
 alcoholic, metabolic changes (Daras) 258-L
 corticosteroid, role of proteases (Clark) 219
 epsilon amino-caproic acid (Britt) 256-L; (Iannaccone) 176-L; (Kennard) 256-L
- Myosin
 muscle (Obinata) 456
- N**
- Nerve
 conduction block in ischemia (Parry) 441-A
 conduction velocity range with F-waves (Schiller) 249-A
 excitability supernormal after ischemia (Stöhr) 73
- perineurium calcification (Kalimo) 228
 Schwann cell antigens (Pollard) 274
- Nerve conduction
 carpal tunnel syndrome (MacLean) 444-A
 carpal tunnel syndrome in hemiplegia (Iqbal) 443-A
 in diabetic neuropathy (Kaplan) 443-A
 effect of different frequency filters on short latency somatosensory evoked potentials (Maccabee) 442-A
 F-response latency (Fisher) 440-A
 in insulin dependent diabetes (Nudelman) 441-A
 in juvenile diabetes mellitus (Dominique) 443-A
 phenytoin effects (Marcus) 48
 phosphorus (Pi) deficiency (Paik) 442-A
 stimulus-response of spinal evoked potentials (Baran) 443-A
 velocity variation due to height (Campbell) 520
- Nerve entrapment
 carpal tunnel syndrome (MacLean) 444-A
 carpal tunnel syndrome in hemiplegia (Iqbal) 443-A
 "hunkering" (Massey) 445-L
- Nerve grafts
 trembler mice (Pollard) 274
- Nerve peroneal
 in "hunkering" (Massey) 445-L
- Nerve physiology
 post-ischemic hyperexcitability (Stöhr) 73
- Neuromuscular disease
 3-methylhistidine (Warnes) 62
 partial and multiple enzyme defects (Kark) 31
 red blood cell changes (Kark) 31
 therapeutic trials (Bradley) 185-E; (Brooke) 186
- Neuromuscular junction
 choline acetyltransferase localization (Kan) 91
 defects in myxedema (Chokroverty) 441-A
- Neuromuscular transmission
 arthropod envenomation (Swift) 334
 botulism (Swift) 334
 infantile myasthenic-like syndrome (Albers) 440-A
 magnesium intoxication (Swift) 334
 myasthenia gravis (Swift) 334
 snake envenomation (Swift) 334
- Neuropathy
 accessory nerve in idiopathic torticollis (Sarnat) 374
 diabetic, perineurial calcification (Kalimo) 228
 Fabry's disease (Pellissier) 381
 F-chronodispersion (Panayiotopoulos) 249-A
 giant axonal in dogs (Duncan) 223
 gonyalgia paresthetica (Massey) 80-L
 hepatic porphyria (Kark) 31
 hereditary motor and sensory neuropathy (Vanasse) 26
 metachromatic leucodystrophy (Kark) 31

peroneal muscular atrophy in infancy and childhood (Vanasse) 26
phenytoin conduction (Marcus) 48
in spinocerebellar degenerations (McLeod) 51
tellurium induced (Said) 319

P

Paramyotonia congenita
 electrophysiology (Haass) 388
 membrane defects (Lehmann-Horn) 396
Parkinson's disease
 electromyography (Shahani) 440-A
Penicillamine
 polymyositis (Morgan) 137
Perineurium
 calcification (Kalimo) 228
Peroneal muscular atrophy—see Neuropathy
Phenytoin
 effects on peripheral nerve (Marcus) 48
Plasmapheresis
 in AChR negative myasthenia gravis (Miller) 255-L
 in polymyositis (Dau) 447-L; (Eliasson) 446-L
Poliomyelitis
 single fiber electromyography (Wiechers) 252-A
Polymyositis
 masticatory muscles in canines (Orvis) 354

motor unit changes in late stage (Wiechers) 524
pencillamine induced (Morgan) 137
plasmapheresis (Dau) 447-L; (Eliasson) 446-L

R

Red blood cells
 in ALS (Festoff) 41
 elasticity in murine dystrophy (Missirlis) 141
Reflex-H
 surface recording of the flexor carpi radialis (Jabre) 435
Respiratory function
 in muscular dystrophy (Rideau) 155
Rhabdomyolysis
 enzyme defects responsible (Kark) 31

S

Sarcoplasmic reticulum
 skinned fiber activation in Duchenne muscular dystrophy (Takagi) 10
Spinal muscular atrophy
 congenital cervical (Darwish) 106
 RNA metabolism in wobbler mouse (Murakami) 407
 therapeutic trials (Bradley) 185-E
Spinocerebellar degenerations
 peripheral neuropathy (McLeod) 51

T

Tellurium
 neuropathy (Said) 319

Tetanus—see muscle histochemistry
Therapeutic trials
 neuromuscular disease (Bradley) 185-E; (Brooke) 186
Thymus
 effect of corticosteroids in myasthenia gravis (Craven) 425
Tissue culture
 muscle (Carter) 367
Transverse myelopathy
 electrophysiological studies (Potts) 439-A
Trembler mouse
 nerve graft (Pollard) 274
Tropomyosin
 muscle (Obinata) 456
Troponin
 muscle (Obinata) 456

W

Wobbler mouse
 RNA metabolism (Murakami) 407

X

X-chromosome
 in Duchenne muscular dystrophy (Bradley) 82-L

Z

Z-protein
 muscle (Obinata) 456

